

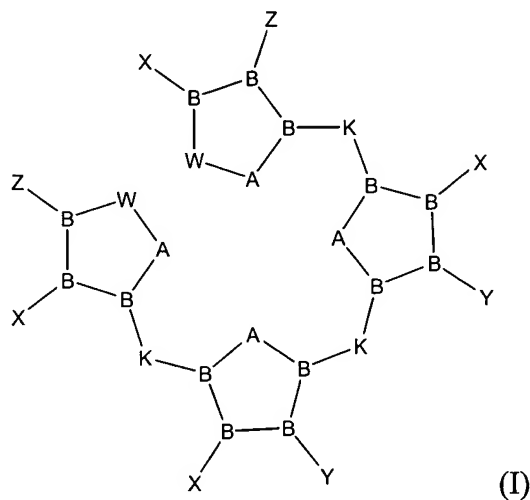
## CLAIM LISTING

Claim 1 (Currently Amended): A method for ~~modulating cell proliferation or~~ promoting cell differentiation, comprising treating a cell with a bilin, wherein the cell is selected from the group consisting of liposarcoma cell, thyroid carcinoma cell and lymphoblast cell.

Claims 2-9 (Cancelled)

Claim 10 (Currently Amended): A method for ~~regulating~~ promoting differentiation of a cell, comprising treating ~~[[a]]~~ the cell with a

bilin represented by the general formula (I):



wherein W, independently for each occurrence, represents  $-\text{CL}_2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{C}(=\text{S})-$ ,  $-\text{C}(=\text{NH})-$ , or  $=\text{CL}-$ ;

X, independently for each occurrence, represents a substituted or unsubstituted alkyl, alkenyl, or alkynyl group;

Y, independently for each occurrence, represents a substituted or unsubstituted alkyl, alkenyl, or alkynyl group;

Z, independently for each occurrence, represents a substituted or unsubstituted alkyl, alkenyl, or alkynyl group;

A, independently for each occurrence, represents  $-\text{NH}-$  or  $-\text{N}=-$ ;

B, independently for each occurrence, represents a trisubstituted,  $sp^2$ -hybridized carbon atom;

K, independently for each occurrence, represents =CL- or -CL<sub>2</sub>-; and

L, independently for each occurrence, represents H or lower alkyl,

wherein the cell is selected from the group consisting of liposarcoma cell, thyroid carcinoma cell and lymphoblast cell.

Claims 11-13 (Cancelled)

Claim 14 (Original): The method of claim 10, wherein the cell is contacted with the bilin *in vitro*.

Claim 15 (Original): The method of claim 10, wherein the cell is contacted with the bilin *in vivo*.

Claims 16 and 17 (Cancelled)

Claim 18 (Original): The method of claim 10, wherein at least one occurrence of Y includes a carboxyl group.

Claims 19-22 (Cancelled)

Claim 23 (Original): The method of claim 1, wherein the bilin is bilirubin or biliverdine.

Claim 24 (Cancelled)

Claim 25 (Original): The method of claim 10, wherein the bilin is bilirubin or biliverdine.

Claims 26-43 (Cancelled)